

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/037189

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D217/22 C07D401/12 A61K31/472 A61K31/4725 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/91754 A1 (PEPTOR LTD., ISRAEL; YISSUM RESEARCH DEVELOPMENT CO. OF THE HEBREW UNI) 6 December 2001 (2001-12-06) see compounds of claim 1 as PKB inhibitors and definition of residue R5; -----	1-11
Y	REUVENI, HADAS ET AL: "Toward a PKB Inhibitor: Modification of a Selective PKA Inhibitor by Rational Design" BIOCHEMISTRY, 41(32), 10304-10314 CODEN: BICHAW; ISSN: 0006-2960, 2002, XP002267237 see abstract and tables 1 and 2 ----- -/--	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

8 April 2005

Date of mailing of the international search report

15/04/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2005/011697 A (ASTEX TECHNOLOGY LIMITED; CANCER RESEARCH TECHNOLOGY LIMITED; THE INST) 10 February 2005 (2005-02-10) see compounds of claim 1 and their pharmacological activity -----	1-11
P,X	WO 2004/094386 A (ELI LILLY AND COMPANY; AL AWAR, RIMA, SALIM; BARDA, DAVID, ANTHONY; HE) 4 November 2004 (2004-11-04) see compounds of claim 1 with n being 2 and X being NR8 as PKB inhibitors, e.g. examples 123 and 124 -----	1-11

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International application No.  
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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 10 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/037189

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0191754	A1	06-12-2001	AU 6419201 A	11-12-2001
			CA 2409597 A1	06-12-2001
			EP 1284734 A1	26-02-2003
			JP 2003534379 T	18-11-2003
			US 2004019077 A1	29-01-2004
WO 2005011697	A	10-02-2005	WO 2005011697 A2	10-02-2005
WO 2004094386	A	04-11-2004	WO 2004094386 A1	04-11-2004